Amendments to the Claims

- (currently amended) An implantable medical device adapted to be charged with an external recharging coil, comprising:
 - a housing having an interior cavity, a proximal face, and an electrical feedthrough;
 - electronics carried in the housing interior cavity, the electronics configured to perform a medical therapy;
 - a rechargeable power source carried in the housing interior cavity and electrically coupled to the electronics; and,
 - a recharging coil having a major plane and being centrally located and substantially carried on the housing-proximal face of the housing and electrically coupled through the housing electrical feedthrough to the electronics and rechargeable power source, the proximal face of the housing being co-planar with the major plane of the recharging coil.
- (currently amended) The implantable medical device as in claim 1 wherein the
 electrical feedthrough includes a recharge feedthrough located on the housing
 proximal face of the housing.
- (original) The implantable medical device as in claim 1 wherein the recharging coil is mechanically attached to the housing.
- (original) The implantable medical device as in claim 1, further comprising at least one housing attachment detail.
- (original) The implantable medical device as in claim 1, further comprising a coil cover that carries the recharging coil and attaches to the housing.
- (previously presented) The implantable medical device as in claim 5, further comprising at least one cover alignment detail.
- (previously presented) The implantable medical device as in claim 5, further comprising at least one cover attachment detail.

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- (previously presented) The implantable medical device as in claim 5, further comprising a biocompatible polymer to create a hermetic seal between the coil cover and the housing.
- (previously presented) The implantable medical device as in claim 5, further comprising a coil alignment carrier for carrying the coil, the coil alignment carrier positioned between the coil cover and the housing.
- 10. (previously presented) The implantable medical device as in claim 9 wherein the coil alignment carrier is hermetically sealed to the coil cover to form a coil assembly.
- 11. (original) The implantable medical device with external recharging coil as in claim 1 wherein the recharging coil is attached to the housing by encapsulation with a polymer.
- 12. (original) The implantable medical device as in claim 1 wherein the recharging coil is attached to the housing by overmolding with a polymer.
- (previously presented) The implantable medical device as in claim 12, wherein the overmolding is accomplished in situ.
- 14. (original) The implantable medical device as in claim 1 wherein the recharging coil is mechanically attached to the housing with a retention sleeve.
- (previously presented) The implantable medical device as in claim 14 wherein the retention sleeve is hermetically sealed to the housing.
- 16. (original) The implantable medical device as in claim 1 wherein the rechargeable power source is an electrical storage device.
- 17. (original) The implantable medical device as in claim 1 wherein the rechargeable power source is a chemical storage device.
- (original) The implantable medical device as in claim 1 further comprising a telemetry coil carried in the housing interior cavity.

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- 19. (original) The implantable medical device as in claim 1 wherein the recharging coil is configured for multiplexing as a telemetry coil for communications between a programmer and the electronics.
- 20. (original) The implantable medical device as in claim 1 wherein the medical device is selected from the group consisting of: a neuro stimulator, a pacemaker, a defibrillator, drug delivery pump, and a diagnostic recorder.
- (currently amended) An implantable medical device adapted to be charged with an external recharging coil, comprising:

a housing having an interior cavity, a proximal face, and an electrical feedthrough;

electronics carried in the housing interior cavity, the electronics configured to perform a medical therapy;

a rechargeable power source carried in the housing interior cavity and electrically coupled to the electronics; and,

means for recharging <u>having a major plane and being</u> carried on the <u>housing-proximal</u> face <u>of the housing and operationally coupled</u> to recharge the rechargeable power source; and

means for attaching the means for recharging to a position centrally located and substantially carried on the housing proximal face, the proximal face of the housing being co-planar with the major plane of the recharging coil.

(canceled)